

pre-loading into the base station capability information corresponding to operational capabilities of the base station;

formatting the pre-loaded capability information into a standardized, predefined abstract resource information model known to the network manager;

communicating to the network manager the capability information formatted into the standardized, predefined abstract resource information model;

retrieving, at the network manager, the capability information from the standardized, predefined abstract resource information model;

developing, at the network manager, configuration information identifying operational parameters for use by the base station, said configuration information developed based on the existing cellular radio traffic being coordinated by the network manager and on the capability information;

formatting the pre-loaded configuration information into the standardized, predefined abstract resource information model;

communicating to the base station the configuration information formatted into the standardized, predefined abstract resource information model;

extracting the configuration information from the standardized, predefined abstract resource information model at the base station; and

configuring the base station based on the configuration information.